# PATENT COOPERATION TREATY

PCT

#### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		f Transmittal of International Search Report
C-291	ACTION (Form PC1/ISA/2	20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 03/36222	12/11/2003	14/11/2002
Applicant		
arm gurnaga, gannananan		
SUN CHEMICAL CORPORATION		
This International Search Benort has been	n prepared by this International Searching Auth	pority and is transmitted to the applicant
according to Article 18. A copy is being tra		ioni, and is denomined to the approach
This International Search Report consists	of a total of 5 shoots	
·	a copy of each prior art document cited in this	report.
d. Doois of the remark		
Basis of the report     a. With regard to the language, the	international search was carried out on the bas	sis of the international application in the
language in which it was filed, unl	ess otherwise indicated under this item.	
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	ne international application furnished to this
b. With regard to any nucleotide an		ternational application, the international search
was carried out on the basis of the contained in the internation	e sequence listing : nal application in written form.	
filed together with the inte	rnational application in computer readable form	ո.
	this Authority in written form.	
	this Authority in computer readble form.	
	sequently furnished written sequence listing do s filed has been furnished.	bes not go beyond the disclosure in the
the statement that the info furnished	ormation recorded in computer readable form is	sidentical to the written sequence listing has been
2. Certain claims were fou	nd unsearchable (See Box I).	
3. Unity of invention is lace	king (see Box II).	
4. With regard to the title,		
X the text is approved as su	bmitted by the applicant.	
=	hed by this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as su	bmitted by the applicant.	
	hed, according to Rule 38.2(b), by this Authorited at the date of mailing of this international search rep	
6. The figure of the <b>drawings</b> to be publ	ished with the abstract is Figure No.	
as suggested by the appli	cant.	None of the figures.
because the applicant fail		
because this figure better	characterizes the invention.	

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 03/36222

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Thin, flexible plastic films, of the type used for the packaging of foodstuffs, may be printed using a laser marking technique by printing a layer or layers comprising a laser sensitive material and an ink so that heating of the laser sensitive material by absorption of laser radiation burns the ink selectively, so causing markings to appear.

A further process for marking a flexible plastic material using a laser is disclosed, whereby to a surface of a substrate comprising said flexible plastic material a laser sensitive material which is or is associated with a material that generates gas on heating is applied, this is coated with a gas impermeable layer, then exposed to laser radiation such that raised markings appear on the exposed portions.

Form PCT/ISA/210 (continuation of first sheet (2)) (July 1998)

### "INT RNATIONAL SEARCH REPORT

nternational Application No PCT/US 03/36222

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B41M5/24 B41M5/26

B41M5/40

B41M3/06

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 **B41M** 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS	CONSIDERED	IO BE HELEVANI

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 066 437 A (KOESSLINGER ROBERT) 23 May 2000 (2000-05-23) cited in the application column 3, line 46 - column 5, line 45; figure 1	1-4,6-9
X	US 6 259 465 B1 (HEETDERKS JAMES P ET AL) 10 July 2001 (2001-07-10) column 2, line 40 - column 3, line 6 column 4, line 5 - line 61 column 6, line 5 - line 41	1-4,8,9
X	EP 0 526 396 A (FERCHIM ENG SA) 3 February 1993 (1993-02-03) page 2, line 31 - page 3, line 10 page 3, line 36 - page 4, line 12 page 5, line 52 - page 6, line 21	5

χ Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"8" document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
18 May 2004	01/06/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nt.	Authorized officer
Fax: (+31-70) 340-3016	Balsters, E

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nternational Application No
PCT/US 03/36222

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